

**Koch, Kristine**

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**From:** Koch, Kristine  
**Sent:** Tuesday, July 29, 2014 2:18 PM  
**To:** Gene Revelas  
**Cc:** Jim McKenna (jim.mckenna@verdantllc.com)  
**Subject:** TBT...how about this?

Sampling for tributyltin ion analysis was based on a biased approach at locations near known or suspected sources. As a result, there are relatively fewer data points for these analytes in the RI sediment database than for other chemicals. This is particularly true in areas away from suspected sources, such as the navigation channel. However, areas with known or suspected tributyltin ion sources have been sufficiently characterized and the existing tributyltin ion data are sufficient for RI purposes.

Within the Study Area, tributyltin ion was analyzed in 358 surface and 433 subsurface samples. The Upriver data set consists of 8 surface and 3 subsurface samples. The downtown data set is 174 surface and 65 subsurface samples, and the downstream data set is 4 surface and no subsurface samples. The fewer number of data points for tributyltin ion limits the extent to which its distribution may be resolved and introduces the need for caution in interpreting the surface to subsurface trends shown by the histograms (Figures 5.2-42) and in making conclusions regarding the spatial patterns of the composition of tributyltin ion in sediment (Sections 5.2.13.2 and 5.2.13.3).

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**From:** Gene Revelas [mailto:grevelas@integral-corp.com]  
**Sent:** Tuesday, July 29, 2014 2:01 PM  
**To:** Koch, Kristine  
**Subject:**

#### **5.2.1.1 Tributyltin Ion Data Set**

Sampling for tributyltin ion analysis was based on a biased approach at locations near known or suspected inputs. As a result, there are relatively fewer data points for these analytes in the RI sediment database than for other chemicals. This is particularly true in areas away from suspected sources, such as the navigation channel, but areas with known or suspected tributyltin ion contamination have been sufficiently characterized.

Within the Study Area, tributyltin ion was analyzed in 358 surface and 433 subsurface samples. The Upriver data set consists of 8 surface and 3 subsurface samples. The downtown data set is 174 surface and 65 subsurface samples, and the downstream data set is 4 surface and no subsurface samples. Overall, the existing tributyltin ion data are sufficient for RI purposes.

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